

Cost Benefit Analysis Economic Model for Cumberland County

Recycling Tonnage	4,496.21	Total Reported Tonnage Recycled
Disposal Tonnage	22,606.76	Total Reported Tonnage Disposal
Generation Tonnage	27,102.97	Recycling Tonnage + Disposal Tonnage
Disposal Per Capita	0.42	Disposal Tonnage Divided by Population
Recycling Per Capita	0.08	Recycling Tonnage Divided by Population
Generation Per Capita	0.51	Generation Tonnage Divided by Population
Recycling Rate	16.59%	Recycling divided by Generation
Tons Recycling/household	0.19	372.25 Pounds/person
Tons Disposed/household	0.94	1871.65 Pounds/person
Tons Generated/household	1.12	2243.9 Pounds/person
Cost/ton Disposal	\$ 37.23	Gate fees/Disposal (All disposal went to CCLF)
Cost Disposal/household	\$ 34.84	Published gate rate is \$40.00/ton
Average Revenue/ton Recycled	\$ 69.83	Based on Gate Fee divided by households
Revenue from Recycling/household	\$ 13.00	Recyclables/Recyclable Revenue
		Households divided by Revenue
Lost Revenue in 2008*	\$ 1,183,972.54	Assumes 75% potential recovery of materials
Lost Cost Avoidance 2008	\$ 631,237.26	Gate fee times 75% of tonnage reclaimed
Unrealized Revenue Enhancement in 2008	\$ 1,815,209.79	Lost Revenue+Lost Avoidance
Money Transferred to Enterprise Account to Balance**	\$ 1,425,000.00	Funding transferred in that could be used elsewhere
Total Unrealized Revenue Enhancement in 2008	\$ 3,240,209.79	Total of unrealized enhancement and money transferred in

* Based on Waste Characterization Study approximately 75% of waste stream going to landfills could be recycled if properly managed.

** Money that was transferred in could have been used to offset some other expense or be used elsewhere if overall costs were reduced.